

Claims

1. Method executable on a computer system for producing an adapted travel treatment plan for administering a medicine in the event of a long-haul journey, having the steps:

Recording of an regular treatment plan for administering the medicine,

- recording of the point of departure and destination as well as the time of travel of the long-haul journey,
- determining the time zone difference between the point of departure and destination, and
- producing an adapted travel treatment plan based on the regular treatment plan depending on the time zone difference and the time of travel.

2. Method according to claim 1, a set of travel treatment plans being drawn up depending on a non-application period between a last application according to the regular treatment plan, taking the local time at the point of departure of the long-haul journey as a basis, and the next application according to the regular plan, taking the local time at the destination as a basis.

3. Method according to claim 2, the set of travel treatment plans being stored in a storage device, the non-application time being determined on the basis of the recorded point of departure and destination and the time of travel or time of time zone changeover and the travel treatment plan to be applied being selected from the set of travel treatment plans on the basis of the non-application period .

4. Method according to claim 3, various travel treatment plans being produced for various types of insulin and/or blood-sugar-lowering medicines.

5. Method according to claim 4, a travel treatment plan containing additional notes on recommended times for food intake, in particular of carbohydrates.

6. Method according to claim 5, also comprising recording of an actual intake of carbohydrates due to supplying of food.

7. Method according to claim 6, the carbohydrate intake being recorded by entry by the user.

8. Method according to claim 4, also comprising recording of the blood sugar concentration of the user.

9. Method according to claim 4, also comprising continuous recording of the blood sugar concentration by glucose sensors or non-invasive techniques.

10. Method according to claim 8, also comprising continuous recording of the sugar concentration in other body fluids.

11. Method according to claim 4, the various insulin types being classified according to their action profile.

12. Method according to claim 4, all insulin and/or blood-sugar-lowering therapeutics licensed in a starting and/or destination country of a journey being included in the set of travel treatment plans.

13. Method according to claim 12, the set of travel treatment plans being updated in the case of newly licensed insulin preparations and/or blood-sugar-lowering therapeutics.

14. Method according to claim 4, the set of travel treatment plans being updated in line with new medical findings.

15. Method according to claim 1, any local time arrangements such as summertime adjustments in individual time zones being taken into account when producing the travel treatment plan.

16. Method according to claim 1, the point of departure and destination of the long-haul journey being ascertained via a satellite communications system (GPS)

17. Method according to claim 1, the travel treatment plan produced being retrievable from a central computer via the Internet and/or wireless communication media.

18. Method according to claim 1, the travel treatment plan covering a set transition period following the time at which the clock time is changed over.

19. Method according to claim 18, the transition period being up to 14 days, preferably roughly 48 hours.

20. Method according to claim 3, a related set of travel treatment plans being stored for a preset regular treatment plan as a worksheet of a spreadsheet program.

21. Method according to claim 20, one line containing the time sequence of the regular treatment plan and following lines containing the related travel treatment plan for various time zone differences.

22. Method according to claim 1, a travel treatment plan being produced for continuous blood-sugar-lowering therapy by means of an insulin dosing device.

23. Method according to claim 1, a travel treatment plan being produced for a contraceptive.

24. Device for producing an adapted travel treatment plan for administering a medicine in the event of a long-haul journey, comprising:

- a device for recording an regular treatment plan for administering the medicine,
- a device for producing a set of travel treatment plans based on the regular treatment plan for various time zone differences and times of time zone changeover,
- a storage device for storing the set of adapted travel treatment plans,
- a device for recording the point of departure and destination of the long-haul journey,
- a device for determining the time zone difference,
- a selection device for selecting one of the stored travel treatment plans depending on the time zone difference and the time of time zone changeover, and
- an output device for outputting the selected treatment plan.

25. Device according to claim 24, the device for producing a set of travel treatment plans determining a non-application period from the last application according to the regular treatment plan according to the starting time zone to the next application according to the treatment plan according to the destination time zone as an ordering parameter for the set of travel treatment plans.

26. Device according to claim 24, the travel treatment plan produced being provided for the treatment of diabetes.

27. Device according to claim 26, the treatment plan comprising insulin doses, blood-sugar-lowering therapeutics and/or instructions for the intake of meals.

28. Device according to claim 24, the storage device containing sets of travel treatment plans for all licensed insulin types and/or blood-sugar-lowering therapeutics licensed in the country of departure and/or destination.

29. Device according to claim 24, the device producing an adapted travel treatment plan for a continuous blood-sugar-lowering therapy by means of an insulin dosing device.

30. Device according to claim 24, the device for calculating the time zone difference taking local time adjustments such as summertime adjustments into account.

31. Device according to claim 24, also having an input device for entering the point of departure and destination of the long-haul journey.

32. Device according to claim 24, also having a device for determining position via a satellite communications system (GPS).

33. Device according to claim 24, also having an acoustic or optical warning device to give a reminder of a required application of a medicine.

34. Device according to claim 24, also having a display device to display the travel treatment plan.

35. Device according to claim 24, the device being integrated into a mobile terminal device such as a laptop computer, an electronic organizer (Personal Digital Assistant, PDA) or a mobile telephone.

36. Device according to claim 24, the device being integrated into an apparatus for measuring the blood sugar values of a user.

37. Device according to claim 24, the device being integrated into an apparatus for the continuous measurement of the sugar concentration of a user.

10034196-120001

38. Computer program product with program code for the production, on a computer, of an adapted travel treatment plan for administering a medicine in the event of a long-haul journey, having the steps:

- recording of an regular treatment plan for administering the medicine,
- recording of the point of departure and destination as well as the time of travel of the long-haul journey,
- determining the time zone difference between the point of departure and the destination, and
- producing an adapted travel treatment plan based on the regular treatment plan depending on the time zone difference and the time of travel.

39. Storage medium with stored computer program for producing an adapted travel treatment plan for administering a medicine in the event of a long-haul journey by means of a computer due to the following steps:

- recording of an regular treatment plan for administering the medicine,
- recording of the point of departure and destination as well as the time of travel of the long-haul journey,
- determining the time zone difference between the point of departure and the destination, and
- producing an adapted travel treatment plan based on the regular treatment plan depending on the time zone difference and the time of travel.

40. Method for administering a medicine calling for application according to a regular time-related treatment plan, on a long-haul journey, having the steps:

- recording of the time-related treatment plan of the medicine,
- recording of the point of departure and destination as well as the time of travel of the long-haul journey,
- determining the time zone difference between the point of departure and the destination,
- producing an adapted travel treatment plan based on the time-related treatment plan depending on the time zone difference and the time of travel, and

10034196-130001

- administering the medicine according to the adapted travel treatment plan.

41. Method according to claim 40 for administering insulin preparations and/or blood-sugar-lowering media.

42. Method according to claim 40 for administering contraceptives.

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